

L Number	Hits	Search Text	DB	Time stamp
1	153009	acetic adj acid	USPAT	2003/09/17 10:30
2	29274	(acetic adj acid) and (formic adj acid)	USPAT	2003/09/17 10:31
3	124	((acetic adj acid) and (formic adj acid)) and raffinate	USPAT	2003/09/17 10:31
4	119	((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$	USPAT	2003/09/17 10:31
5	50	((((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$) and ether and acetate	USPAT	2003/09/17 10:32
6	2	(((((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$) and ether and acetate) and 203/\$.ccls.	USPAT	2003/09/17 10:33
7	9	(((((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$) and ether and acetate) and 562/\$.ccls.	USPAT	2003/09/17 10:34
8	40	(((((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$) and ether and acetate) and distil\$	USPAT	2003/09/17 10:40
9	135	203/15.ccls.	USPAT	2003/09/17 10:40
10	115	203/16.ccls.	USPAT	2003/09/17 10:41
11	88	203/45.ccls.	USPAT	2003/09/17 10:41
12	152	203/46.ccls.	USPAT	2003/09/17 10:42
13	12	(((((acetic adj acid) and (formic adj acid)) and raffinate) and extract\$) and ether and acetate) and stripping	USPAT	2003/09/17 10:42

L2 ANSWER 1 OF 1 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
 ACCESSION NUMBER: 1996-078095 [09] WPIDS  
 DOC. NO. CPI: C1996-025883  
 TITLE: Dehydration of acetic acid in adipic acid mfr. without cobalt salt pptn. - by azeotropic distn. with cyclohexane as entrainer to reduce water content to required low level before recycling as process acid.  
 DERWENT CLASS: A41 E17  
 INVENTOR(S): BURKHARDT, B; KYSELA, E  
 PATENT ASSIGNEE(S): (FARB) BAYER AG  
 COUNTRY COUNT: 1  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
DE 4426132	A1	19960125	(199609)*		3	C07C053-08	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 4426132	A1	DE 1994-4426132	19940722

PRIORITY APPLN. INFO: DE 1994-4426132 19940722

INT. PATENT CLASSIF.:

MAIN: C07C053-08  
 SECONDARY: C07C051-215; C07C051-46

BASIC ABSTRACT:

DE 4426132 A UPAB: 19960305  
 Dehydration of process acetic acid from liq. phase oxidn. of cyclohexane with air in the presence of Co salts as catalyst is carried out in a dehydration colum, without pptn. of Co salts, after sepn. of the adipic acid by filtration and of the cyclohexane phase by phase sepn..  
 Dehydration is carried out by azeotropic distn. of the acetic acid phase to be recycled, with addn. of cyclohexane, until the residual water content is less than 0.3 up to 0.7 wt.%.

ADVANTAGE - Maintaining the given residual water content prevents pptn. of Co salts.

Dwg.0/0

FILE SEGMENT: CPI  
 FIELD AVAILABILITY: AB; DCN  
 MANUAL CODES: CPI: A01-E12; E10-C02D2; E10-C04J2; N02-B01

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